

ABSTRACT

Irregular cross-sectional polyester filaments (which may be thick and thin type filaments) containing a

5 polyester and having a cross-sectional profile which has

(A) a triangular part having a triangle form; and

(B) a flat projection part connected to an angular portion of the triangular part and extending therefrom in a flat form, and which satisfies the requirements (1) and

10 (2):

$$0.7 \leq (L1/L2) \leq 3.0 \quad (1)$$

and

$$3.0 \leq (h2/h1) \leq 10.0 \quad (2)$$

15 in which L1 represents a distance between a middle point of a connection line drawn between two intersecting points of a contour line of the triangular part (A) with a contour line of the flat projection part (B), and a projection end point of the flat projection part (B); L2 represents a distance between a middle point of the
20 connection line between the triangular part (A) and the flat projection part (B), and a middle point of an side line of the triangular part (A) facing the connection line; h1 represents a length of the connection line between the triangular part (A) and the flat projection
25 part (B); and h2 represents a largest width of the triangular part (A) in the direction at right angles to the longitudinal direction of the flat projection part (B), are used to produce a yarn and a fabric.

Patent - 968600F